

FIG. 1

PRIOR ART

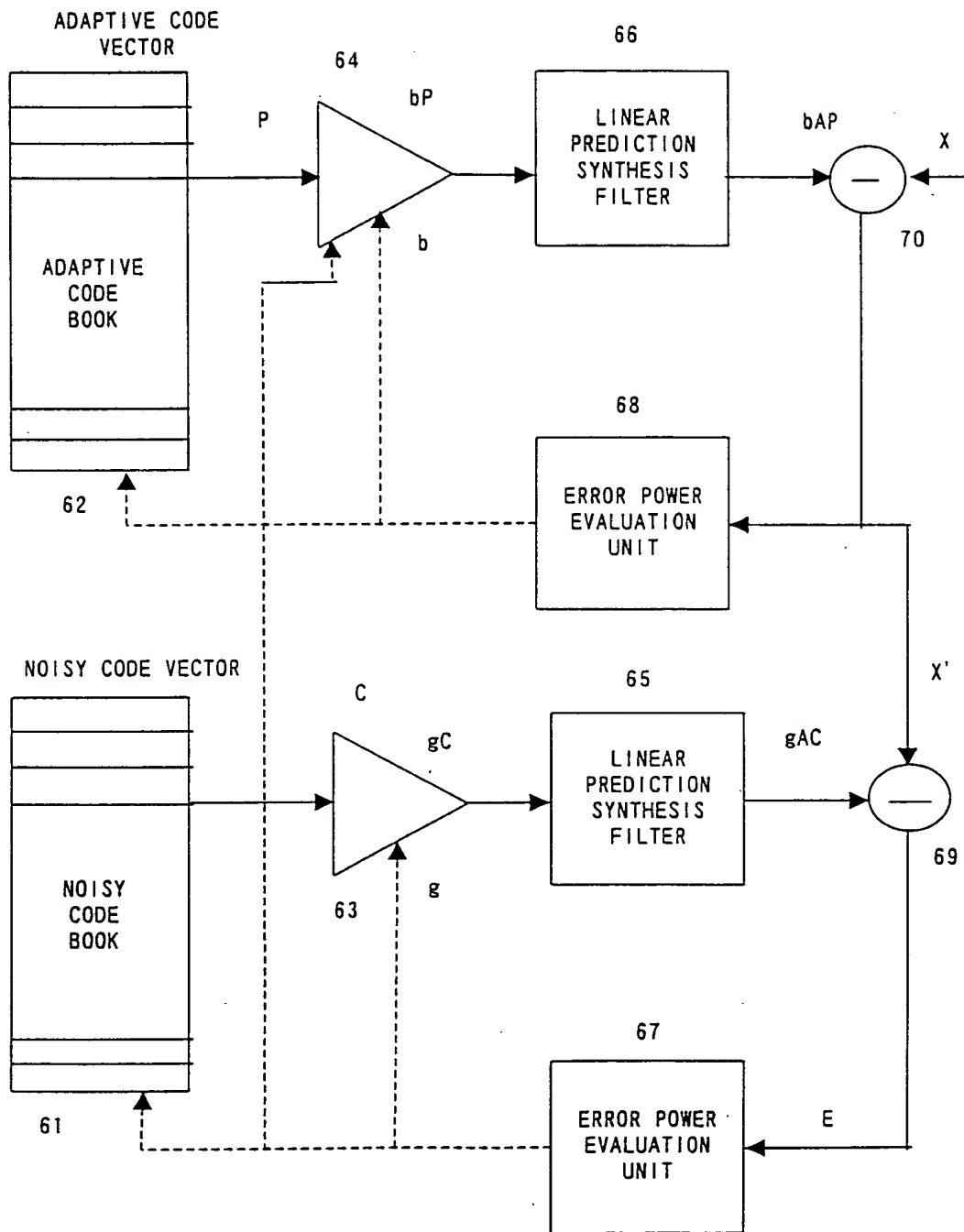


FIG. 2 PRIOR ART

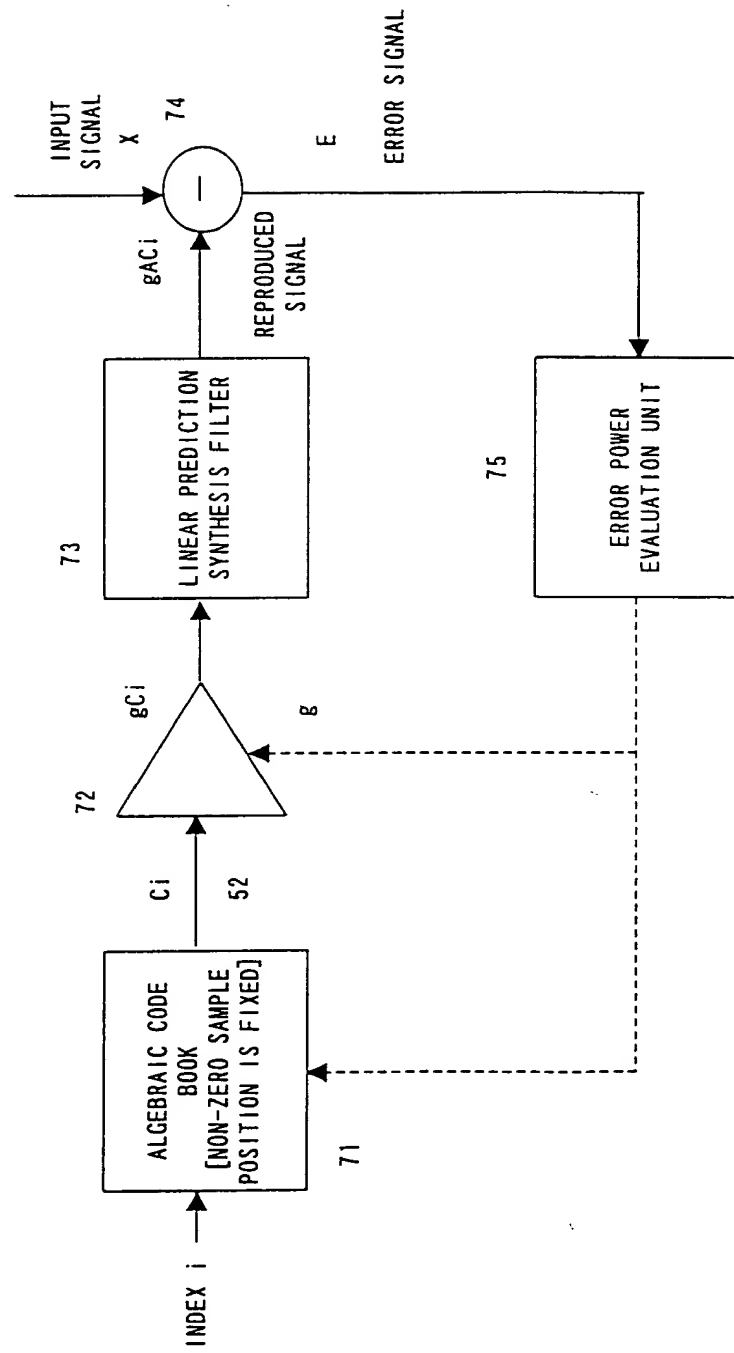
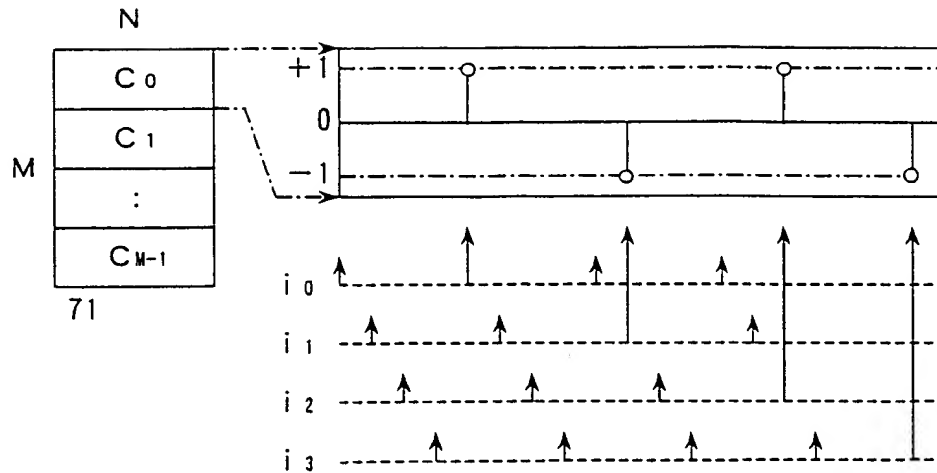


FIG. 3 PRIOR ART



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| | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|
| s_0 | s_1 | s_2 | s_3 | m_0 | m_1 | m_2 | m_3 |
|-------|-------|-------|-------|-------|-------|-------|-------|

77 CODE POSITION NUMBER OF BITS

| | | | | |
|-------|-------|-------|--|---|
| i_0 | s_0 | m_0 | 0, 5, 10, 15, 20, 25, 30, 35 | 3 |
| i_1 | s_1 | m_1 | 1, 6, 11, 16, 21, 26, 31, 36 | 3 |
| i_2 | s_2 | m_2 | 2, 7, 12, 17, 22, 27, 32, 37 | 3 |
| i_3 | s_3 | m_3 | 3, 8, 13, 18, 23, 28, 33, 38 4, 9, 14, 19, 24, 29, 34, 39 | 4 |

TOTAL 17 BITS

78 CODE POSITION NUMBER OF BITS

| | | | | |
|-------|-------|-------|---------------------------------|---|
| i_0 | s_0 | m_0 | 0, 8, 16, 24, 32, 40, 48, 56 | 3 |
| i_1 | s_1 | m_1 | 2, 10, 18, 26, 34, 42, 50, 58 | 3 |
| i_2 | s_2 | m_2 | 4, 12, 20, 28, 36, 44, 52, (60) | 3 |
| i_3 | s_3 | m_3 | 6, 14, 22, 30, 38, 46, 54, (62) | 3 |

TOTAL 16 BITS

FIG. 4 PRIOR ART

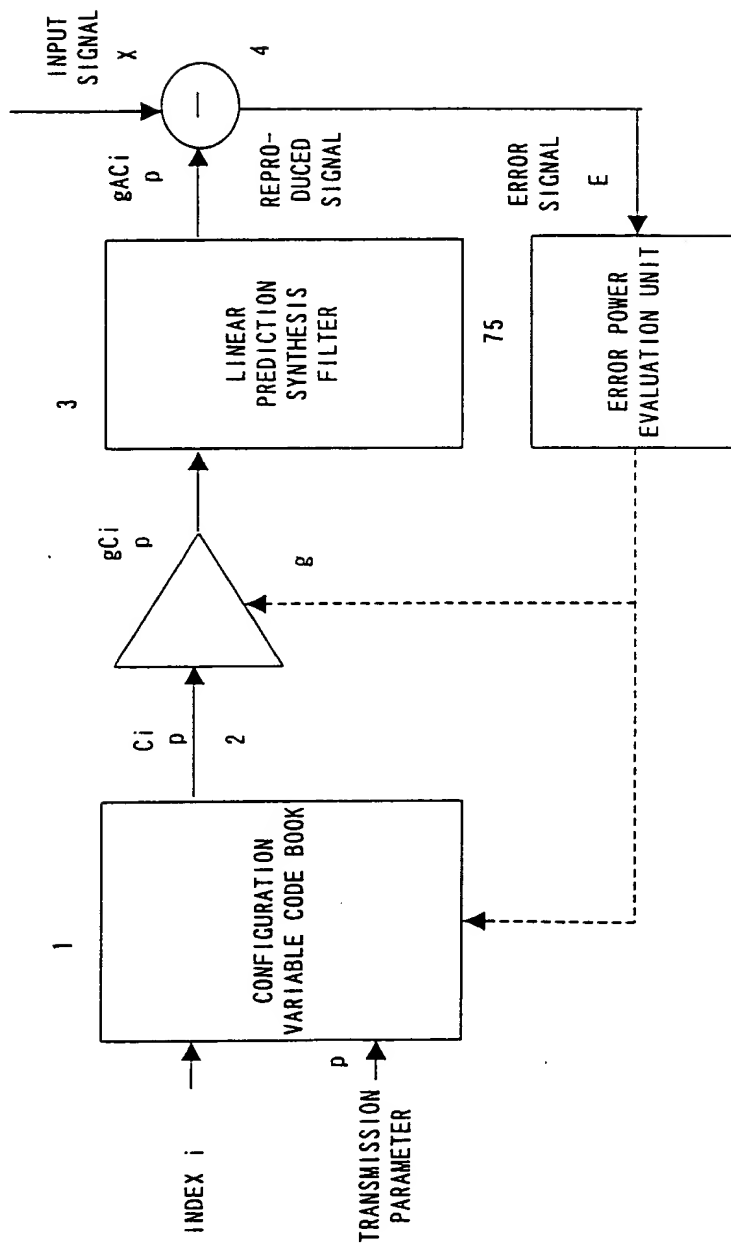


FIG. 5

SECRET 4233860

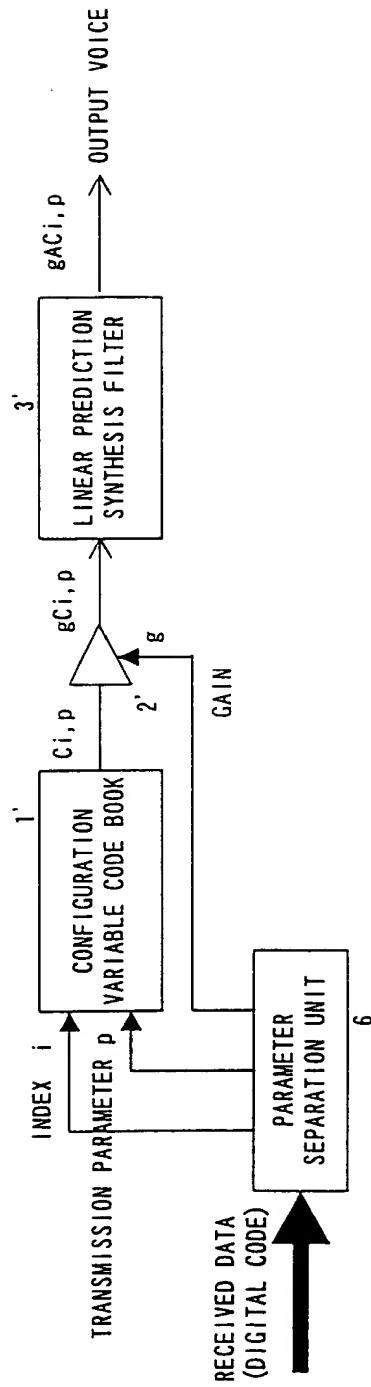


FIG. 6

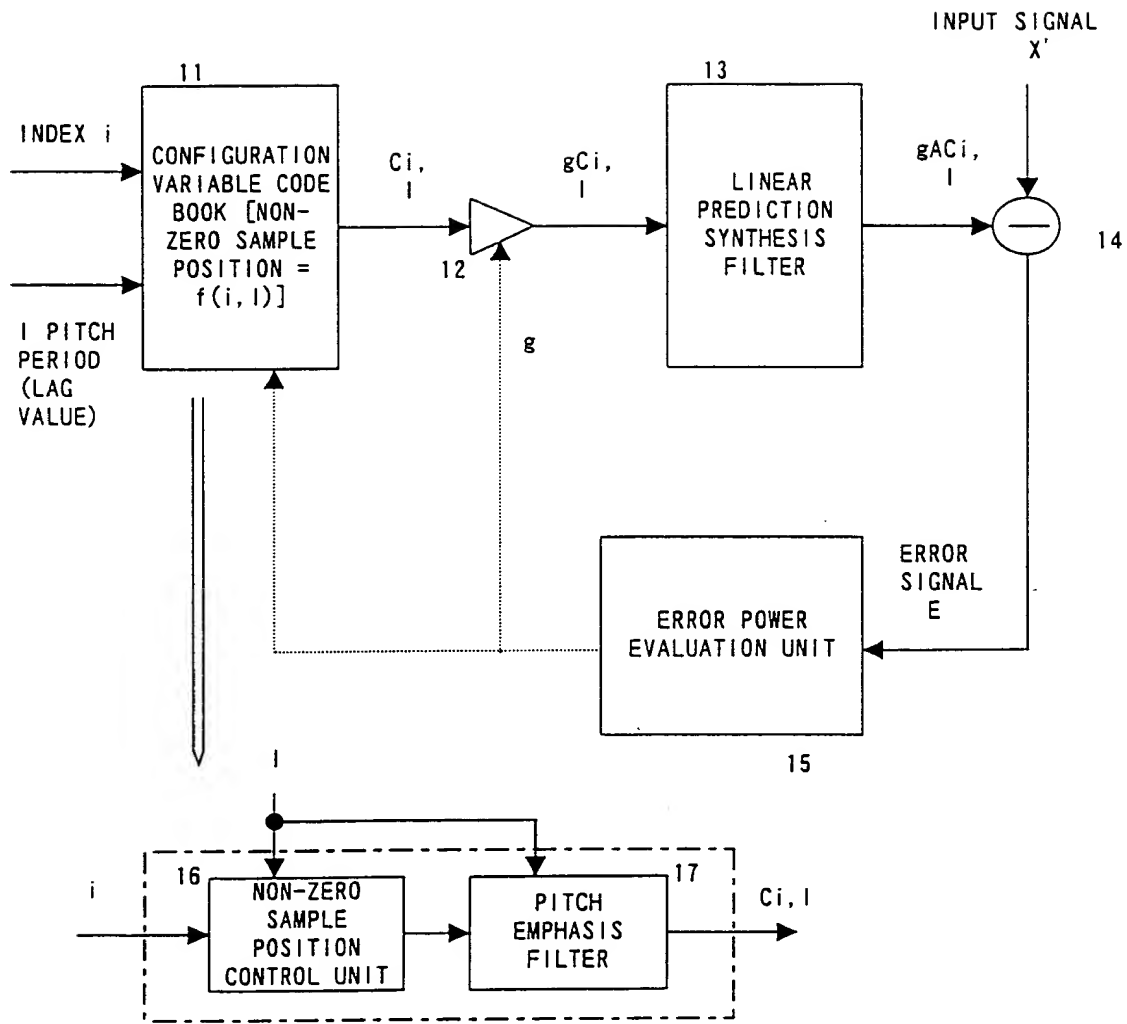


FIG. 7

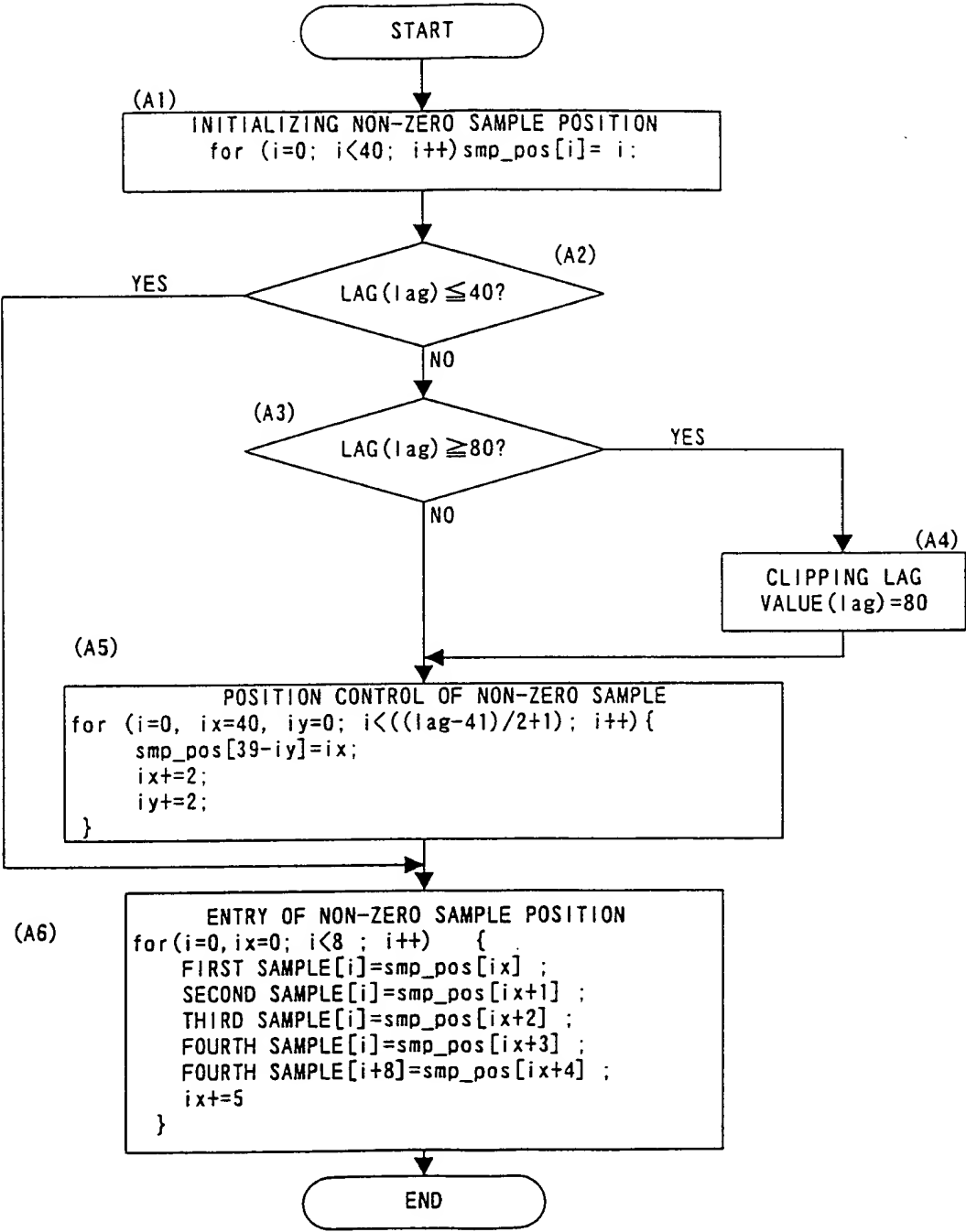


FIG. 9

FIG. 10A

FIG. 10B

FIG. 10B

FIG. 10C

FIG. 10C

| | NON-ZERO SAMPLE POSITION | | | | | | | |
|-------|--------------------------|----|----|----|----|----|----|----|
| i_0 | 0 | 74 | 10 | 64 | 20 | 54 | 30 | 44 |
| i_1 | 78 | 6 | 68 | 16 | 58 | 26 | 48 | 36 |
| i_2 | 2 | 72 | 12 | 62 | 22 | 52 | 32 | 42 |
| i_3 | 76 | 8 | 66 | 18 | 56 | 28 | 46 | 38 |
| | 4 | 70 | 14 | 60 | 24 | 50 | 34 | 40 |

(a)

| | | | | | | | | | | | |
|---|-------|----|----|----|----|----|----|----|----|----|----|
| 0 | | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
|---|-------|----|----|----|----|----|----|----|----|----|----|

(b)

lag=45

| | | | | | | | | | | | | | | | | | | | | |
|---|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|
| 0 | | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | | 79 |
|---|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----|

FIG. 11

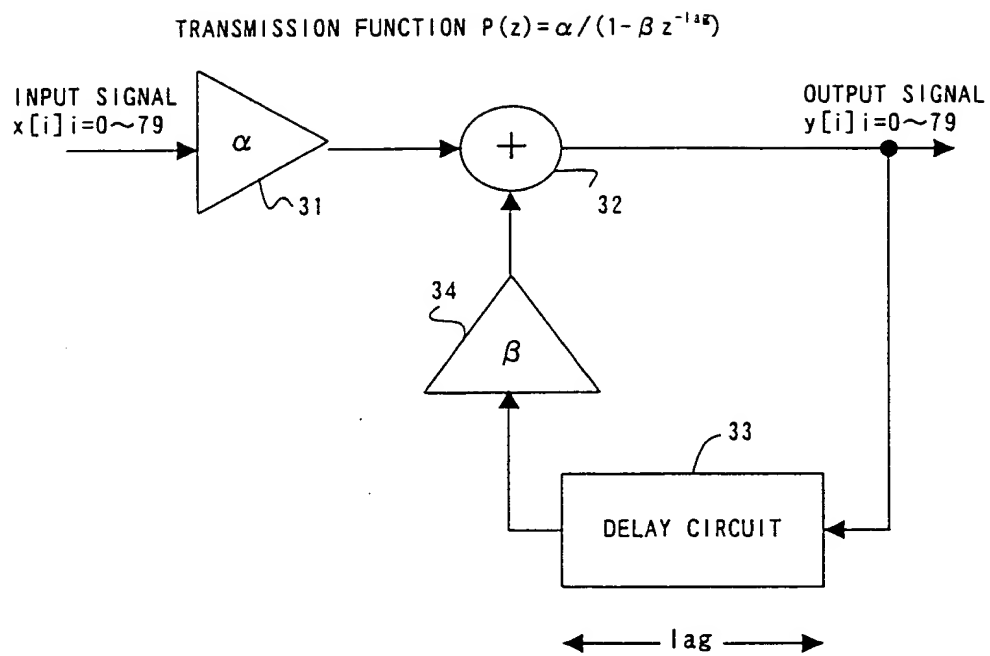


FIG. 12

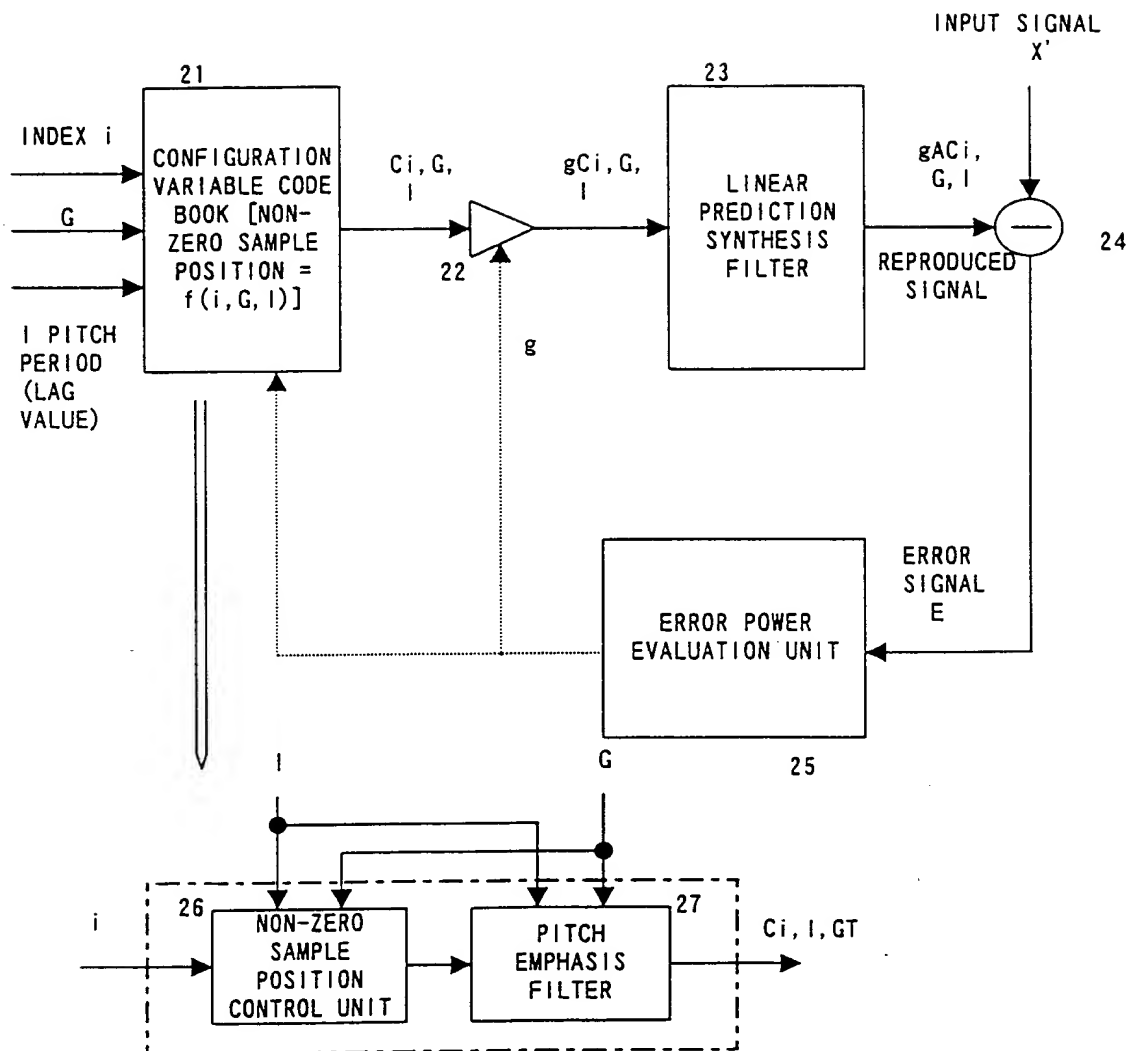


FIG. 13

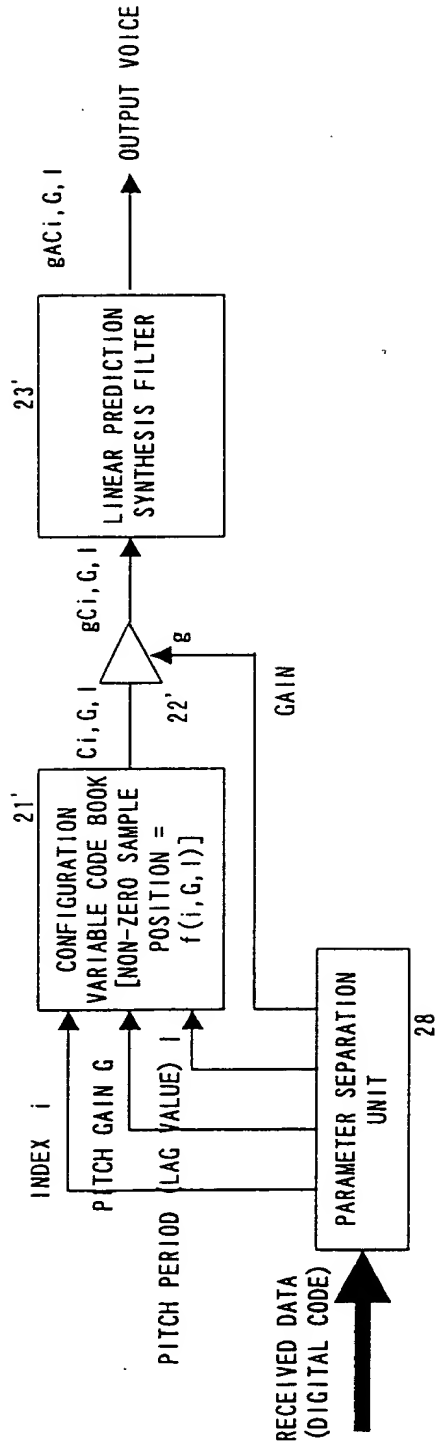


FIG. 14

2025 RELEASE

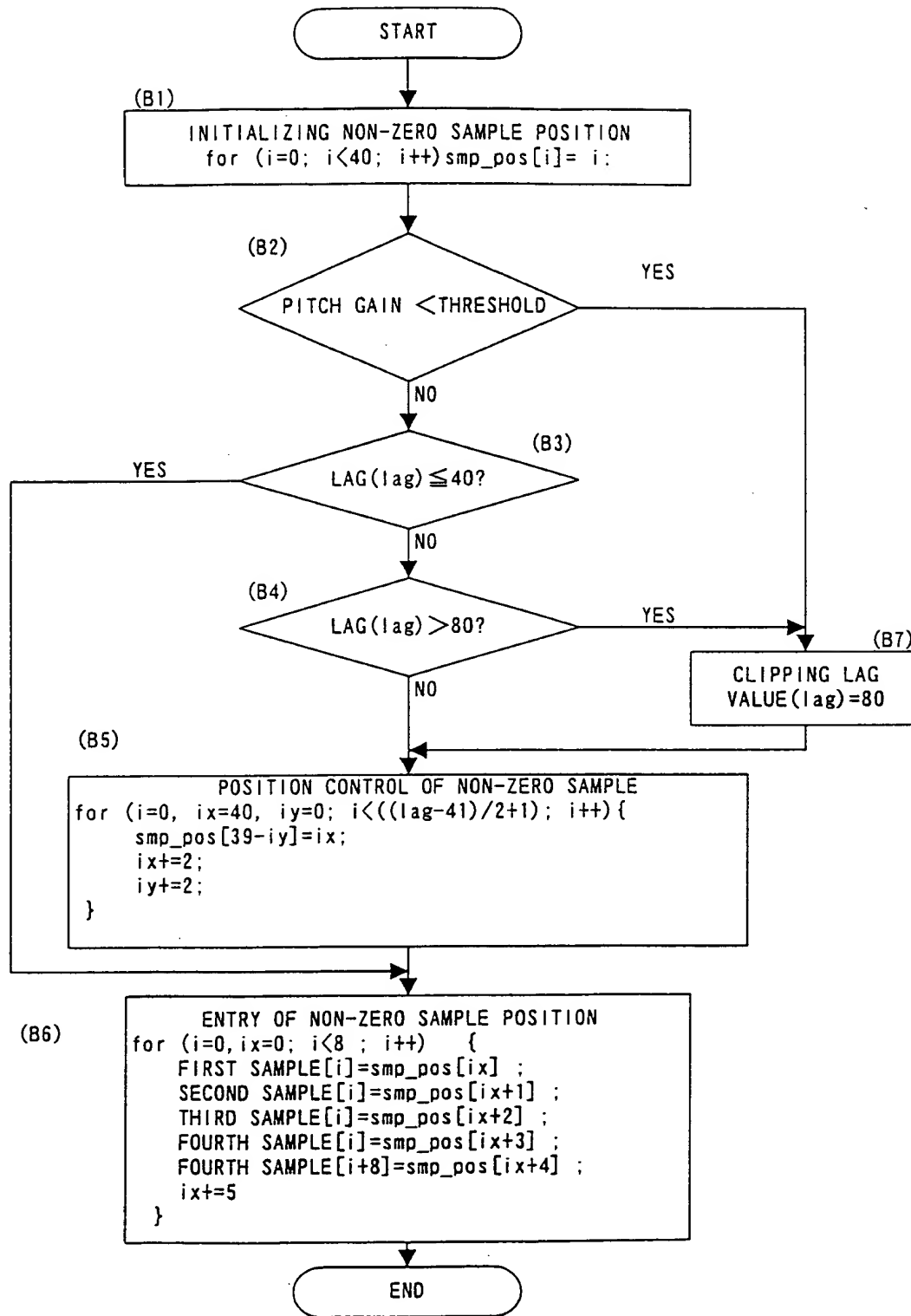


FIG. 15

| | | |
|-----------|-----------|----------|
| APPROVED | O.G. FIG. | |
| BY | CLASS | SU3CLASS |
| DRAFTSMAN | | |

SECRET

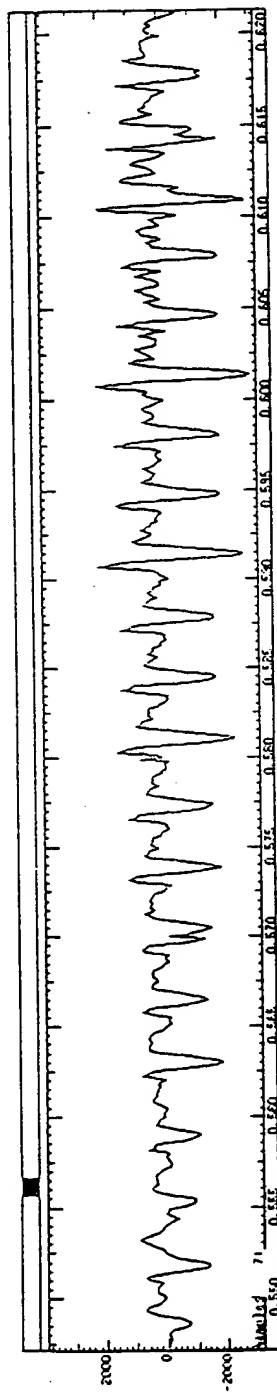


FIG. 16A INPUT VOICE

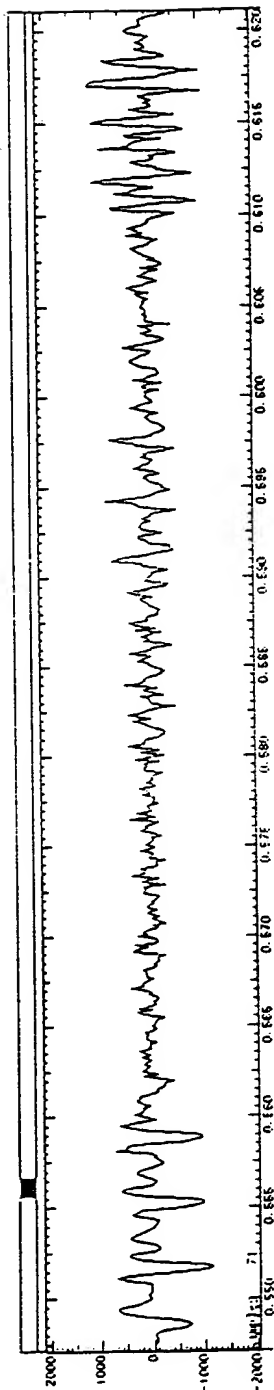


FIG. 16B NOISE CODE BOOK INPUT SIGNAL X
(INPUT VOICE - APPLICABLE CODE BOOK OUTPUT)

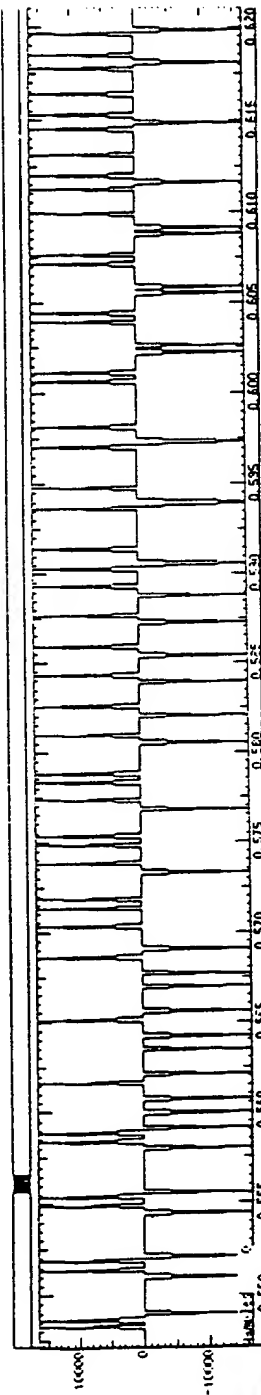


FIG. 16C CODE BOOK OUTPUT SIGNAL OF THE
PRESENT INVENTION